

GILRUTH CENTER NEWS



http://www4.jsc.nasa.gov/ah/exc0aa/Gilruth/Gilruth.htm

Hours: The Gilruth Center is open from 6:30 a.m.-10 p.m. Monday-Thursday, 6:30 a.m.-9 p.m. Friday, and 9 a.m.-2 p.m. Saturday. Contact the Gilruth Center at (281) 483-3345.

Sign up policy: All classes and athletic activities are on a first-come, first-served basis. Sign up in person at the Gilruth Center and show a yellow Gilruth or weight room badge. Classes tend to fill up two weeks in advance. Payment must be made in full, cash or by check, at the time of registration. No registration will be taken by telephone. For more information, call x33345.

Gilruth badges: Required for use of the Gilruth Center. Employees, spouses, eligible dependents, NASA retirees and spouses may apply for photo identification badges from 7:30 a.m.-9 p.m. Monday-Friday and 9 a.m.-2 p.m. Saturdays. Cost is \$10. Dependents must be between 16 and 23 years old.

Nutrition intervention program: Six-week program includes lectures, a private consultation with the dietitian and blood analysis to chart your progress. Program is open to all employees, contractors and spouses. For details call Tammie Shaw at x32980.

Defensive driving: One-day course is offered once a month at the Gilruth Center. Pre-registration required. Cost is \$25. Call for next available class.

Stamp club: Meets every second and fourth Monday at 7 p.m. in Rm. 216.

Weight safety: Required course for employees wishing to use the Gilruth weight room. Pre-registration is required. Cost

is \$5. Annual weight room use fee is \$90. The cost for additional family members is \$50.

Exercise: Low-impact class meets from 5:15-6:15 p.m. Mondays and Wednesdays. Cost is \$24 for eight weeks.

Step/bench aerobics: Low-impact cardiovascular workout. Classes meet from 5:15-6:15 p.m. Tuesdays and Thursdays. Cost is \$32 for eight weeks. Kristen Taragzewski, instructor.

Yoga: Stretching class of low-impact exercises designed for people of all ages and abilities in a Westernized format. Meets Thursdays 5-6 p.m. Cost is \$32 for eight weeks. Call Darrell Matula, instructor, at x38520 for more information.

Ballroom dancing: Classes meet from 6:30-7:30 p.m. Thursdays for beginner, 8:30-9:30 p.m. for intermediate and 7:30-8:30 p.m. for advanced. Cost is \$60 per couple.
Country and western dancing: Beginner class meets 7-8:30 p.m. Monday. Advanced class (must know basic steps to all dances) meets 8:30-10 p.m. Monday. Cost is \$20 per couple.

Fitness program: Health-related fitness program includes a medical screening examination and a 12-week individually prescribed exercise program. For more information call Larry Wier at x30301.

Fall league registration dates:

Softball Aug.30-Sept.11 Flag Football Aug.30- Sept.11
Basketball Aug.23- Sept.4 Volleyball Aug.23- Sept.4
For more information on leagues call x33345.

DATES & DATA

September 1

Astronomy seminar: The JSC Astronomy Seminar Club will meet at noon September 1, 8 and 15 in Bldg. 31, Rm. 248A. For more information, call Al Jackson at x35037.

Spaceland Toastmasters meet: The Spaceland Toastmasters will meet at 7 a.m. September 1, 8 and 15 at the House of Prayer Lutheran Church. For more information, call George Salazar at x30162.

Spaceteam Toastmasters meet: The Spaceteam Toastmasters will meet at 11:30 a.m. September 1, 8 and 15 at United Space Alliance, 600 Gemini. For more information, call Patricia Blackwell at (281) 280-6863.

September 2

Communicators meet: The Clear Lake Communicators, a Toastmasters club, will meet at 11:30 a.m. September 2, 9 and 16 at Freeman Library, 16602 Diana Lane. For details, call Allen Prescott at (281) 282-3281 or Mark Caronna at (281) 282-4306.

Warning System Test: The site-wide Employee Warning System will perform its monthly audio test at noon September 2. For more information, call Bob Gaffney at x34249.

September 8

Software conference: The third annual All Texas Pro/ENGINEER Users' Conference will be held September 8 -10 at the San Luis in Galveston. Conference registration information can be found at www.prouser.org/rugs/ghpug.

IAAP meets: The Clear Lake/NASA chapter of the International Association of Administrative Professionals will meet at 5:30 p.m. September 8 at Bay Oaks Country Club. Cost is \$16. For additional information and reservations, call Tami Barbour at (281) 488-0055, x238.

September 9

Airplane club meets: The Radio Control Airplane Club will meet at 7 p.m. September 9 at the Clear Lake Park building. For more information call Bill Langdoc at x35970.

MAES meets: The Society of Mexican-American Engineers and Scientists will meet at 11:30 a.m. September 9 in Bldg. 16, Rm. 111. For more information, call George Salazar at x30162.

September 10

Astronomers Meet: The JSC Astronomical Society will meet at 7:30 p.m. September 10 at the Center for Advanced Space Studies, 3600 Bay Area Blvd. For more information, call Chuck Shaw at x35416.

September 12

Westside NSS meets: The Westside group of the Clear Lake area chapter of the National Space Society will meet at 2 p.m. September 12 at Silicon Graphics, 11490 Westheimer, Suite 100. For details, call Murray Clark at (281) 367-2227.

September 14

Aero Club Meets: The Bay Area Aero Club will meet at 7 p.m. September 14 at the Houston Gulf Airport clubhouse at 2750 FM 1266 in League City. For more information call Larry Hendrickson at x32050.

NPMA Meets: The National Property Management Association will meet at 5 p.m. September 14 at Robinette and Doyle Caterers, 216 Kirby in Seabrook. Dinner costs \$14. For more information call Sina Hawsey at x36582.

September 15

Scuba club meets: The Lunarphins will meet at 7:30 p.m. September 15. For additional information, call Mike Manering at x32618.

September 16

NSS meets: The Clear Lake area chapter of the National Space Society will meet at 2 p.m. September 16 at the Freeman Memorial Branch Library, 16602 Diana Lane. For more information, call Murray Clark at (281) 367-2227.

NASA BRIEFS

NASA, FAA PICK STUDENT AIRCRAFT-DESIGN WINNERS

A new jet design by students at Embry-Riddle Aeronautical University in Daytona Beach, Fla., has won NASA's and the FAA's 1998-99 National General Aviation Design Competition.

NASA and the FAA presented awards to Embry-Riddle at a ceremony held at AirVenture '99, the Experimental Aircraft Association's Annual Convention and Fly-In at Oshkosh, Wis. Thirty-three Embry-Riddle students worked on the design, aimed at attracting customers who want to move from propeller-driven craft to jets without needing a significant increase in pilot skill. The New Piper Aircraft, Inc. assisted the team in developing design specifications, which are consistent with national goals to revitalize general aviation.

Second place honors went to Pennsylvania State University for "The Baracuda," an acronym for Boldly Advanced and Refined Aircraft Concept Under Development for AGATE, a national general aviation revitalization program.

Third place was awarded to a three-university team from the University of Virginia in Charlottesville, Va.; Old Dominion University in Hampton, Va.; and Pratt Institute in Brooklyn, NY, for a highly innovative design known as the "Yeah Man," which has two tail booms with vertical tails.

Guidelines for the 1999-2000 competition can be found on the Internet at: <http://www.vsgc.odu.edu>

SOFTWARE MAKES CARS SAFER AND SPACECRAFT CHEAPER

NASA has chosen as its 1999 NASA Software of the Year two innovative programs developed at NASA centers. One program applies technology developed for space to everyday life here on Earth by helping to make our cars, airplanes, bridges and other structures safer. The other program makes spacecraft cheaper and transforms science fiction into science fact by allowing spacecraft to operate themselves.

The award winners are: Genoa, a failure-analysis software with unique predictive capabilities, and Remote Agent, which has been used to control NASA's Deep Space 1 mission.

Genoa simulates and predicts aging and failure in all sorts of structural materials, including high-tech alloys and ceramics used in airplanes, cars, engines and bridges. Genoa was submitted by the Glenn Research Center. The development of Genoa began at the center in the 1970s and was commercialized only about a year ago. A minority-owned small business is now marketing the software, which is used by aircraft manufacturers and others. It is the only software that can predict progressive aging and failure of materials as diverse as metals, ceramics, concrete and all types of composites. The ability to predict material and structural failure helps manufacturers build stronger aircraft fuselages, engines, car bodies, and bridges.

The second winner, Remote Agent, is a giant leap in the world of artificial intelligence. It is the first software package ever used to autonomously control a spacecraft: Deep Space 1. NASA scientists gave the software package primary command of the spacecraft for three days in May and it more than met expectations. The software detected, diagnosed and fixed problems, showing that it can make decisions to keep a mission on track.

SPACE CENTER Roundup

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